

CLAIMS

1 1. (original) A method for automatically creating a playlist, comprising:
2 receiving a reference playlist defining a plurality of attributes for each of one or more
3 program segments, the attributes comprising an on-air time, a start-of message, and a duration
4 for each program segment;
5 comparing at least one on-air time in the reference playlist to a specified reference time;
6 identifying, based on the comparison, at least one program segment in the reference playlist
7 that is active at the specified reference time; and
8 adjusting, based on the at least one identified active program segment, one or more attributes
9 for one or more program segments in the reference playlist to create a new playlist.

1 2. (original) The invention of claim 1, wherein:
2 the reference playlist corresponds to a playlist currently being executed by a first subsystem
3 that sources an on-air feed; and
4 the specified reference time is based on the current time of day.

1 3. (original) The invention of claim 2, further comprising executing the new playlist on a
2 second subsystem that provides failure protection for the first subsystem.

1 4. (original) The invention of claim 2, wherein the first subsystem is a multicast subsystem.

1 5. (original) The invention of claim 4, wherein the multicast subsystem is an internet-based
2 streaming subsystem.

1 6. (original) The invention of claim 1, wherein:
2 the reference playlist corresponds to a playlist currently being executed by a first subsystem
3 that sources a first on-air feed that is intended for viewing in at least a first time zone, and
4 the specified reference time is based on the current time of day in a second time zone that is
5 different than the first time zone.

1 7. (currently amended) The invention of claim 6, further comprising executing the new
2 playlist on a second subsystem that sources a second on-air feed that is intended for viewing in at
3 least the second time zone, wherein the second on-air feed is substantially a time-delayed version
4 of the first on-air feed.

1 8. (original) The invention of claim 6, further comprising:
2 executing the reference playlist on a second subsystem that sources an intermediate feed that
3 is substantially synchronous with the first on-air feed that is sourced by the first subsystem; and
4 delaying the intermediate feed using a delay unit to produce a second on-air feed that is
5 intended for viewing in at least the second time zone, such that the difference between the start
6 of a given program segment in the first on-air feed and the start of the given program segment in
7 the second on-air feed is equal to the time of day difference between the first and second time
8 zones, wherein, upon detecting a failure in the delay unit:

9 the delay unit is bypassed such that the intermediate feed becomes the second on-air feed;
10 and

11 the new playlist is loaded into and executed by the second subsystem.

1 9. (original) The invention of claim 1, further comprising selecting the one or more
2 program segments in the reference playlist to adjust, taking into account a queuing delay
3 associated with a source of each selected program segment.

1 10. (original) The invention of claim 9, wherein at least one active program segment is not
2 selected to be adjusted based on the queuing delay of the source associated with the active
3 program segment.

1 11. (original) The invention of claim 1, wherein the received reference playlist is selected
2 from a plurality of playlists with the assistance of a rule-based playlist validator.

1 12. (original) The invention of claim 11, wherein at least one of the playlists in the plurality
2 of playlists is from a playlist archive.

1 13. (original) The invention of claim 1, comprising:
2 a. initializing a first variable based on the reference time plus a processing time;
3 b. initializing a second variable to the value of the first variable;
4 c. determining a current program segment from the reference playlist by comparing the
5 value of the second variable with timeslots for program segments in the reference playlist;
6 d. determining media type and corresponding queuing delay for the source of the current
7 program segment;
8 e. updating the value of the second variable to be equal to the value of first variable plus
9 the queuing delay, and
10 f. checking to see if the updated value of the second variable is within the timeslot for the
11 current program segment, and, if it is not, repeating steps (c)–(e) until the updated value of the
12 second variable is within the timeslot for the current program segment.

1 14. (currently amended) The invention of claim 13, wherein the adjusting includes:
2 determining a value for a third variable by subtracting the on-air time of the current
3 program segment from the value of the second variable-parameter;
4 calculating a new start-of message attribute for the current program segment by
5 adding the start-of message of the current program segment to the value of the third variable
6 parameter;
7 calculating a new duration attribute for the current program segment by subtracting
8 the value of the third variable-parameter from the duration of the current program segment, and
9 setting a new start-of time for the current program segment equal to the value of the
10 second variable.

1 15. (currently amended) The invention of claim 14[[13]], wherein:
2 the first variable corresponds to a variable CurrentTime;
3 the second variable corresponds to a variable NewOnAirTime, and
4 the third variable corresponds to a variable TimePast.

1 16. (original) The invention of claim 1, wherein two or more program segments are from
2 different sources.

1 17. (original) The invention of claim 1, wherein at least one of the one or more program
2 segments is sourced by a video server.

1 18. (original) An automated playlist chaser adapted to:
2 receive a reference playlist defining a plurality of attributes for each of one or more program
3 segments, the attributes comprising an on-air time, a start-of message, and a duration for each
4 program segment;
5 compare at least one on-air time in the reference playlist to a specified reference time;
6 identify, based on the comparison, at least one program segment in the reference playlist that
7 is active at the specified reference time; and
8 adjust, based on the at least one identified active program segment, one or more attributes for
9 one or more program segments in the reference playlist to create a new playlist.

1 19. (original) The invention of claim 18, further comprising executing the new playlist on a
2 second subsystem that provides failure protection for the first subsystem.

1 20. (original) The invention of claim 18, further comprising selecting the one or more
2 program segments in the reference playlist to adjust taking into account a queuing delay
3 associated with a source of each selected program segment.

1 21. (original) The invention of claim 18, wherein:
2 the reference playlist corresponds to a playlist currently being executed by a first subsystem
3 that sources a first on-air feed that is intended for viewing in at least a first time zone, and
4 the specified reference time is based on the current time of day in a second time zone that is
5 different than the first time zone.

1 22. (original) The invention of claim 18, wherein two or more program segments are from
2 different sources.

1 23. (original) A content sourcing facility comprising:
2 at least first and second content sourcing subsystems, each adapted to generate a subsystem
3 stream of content; and
4 an automated playlist chaser adapted to:
5 receive a reference playlist defining a plurality of attributes for each of one or more
6 program segments, the attributes comprising an on-air time, a start-of message, and a duration
7 for each program segment;
8 compare at least one on-air time in the reference playlist to a specified reference time;
9 identify, based on the comparison, at least one program segment in the reference playlist
10 that is active at the specified reference time; and
11 adjust, based on the at least one identified active program segment, one or more attributes
12 for one or more program segments in the reference playlist to create a new playlist, wherein at
13 least one of the content sourcing subsystems generates its subsystem stream of content based on
14 the new playlist.

1 24. (original) The invention of claim 23, further comprising executing the new playlist on a
2 second subsystem that provides failure protection for the first subsystem.

1 25. (original) The invention of claim 23, further comprising selecting the one or more
2 program segments in the reference playlist to adjust taking into account a queuing delay
3 associated with a source of each selected program segment.

1 26. (original) The invention of claim 23, wherein:
2 the reference playlist corresponds to a playlist currently being executed by a first subsystem
3 that sources a first on-air feed that is intended for viewing in at least a first time zone, and
4 the specified reference time is based on the current time of day in a second time zone that is
5 different than the first time zone.

1 27. (original) The invention of claim 23, wherein two or more program segments are from
2 different sources.

1 28. (original) The invention of claim 23, wherein at least one content sourcing subsystem
2 includes:
3 an automation server adapted to execute a playlist;
4 a plurality of content sources; and
5 a content router coupled to the outputs of the content sources, wherein:
6 the automation server is adapted to communicate information derived from the playlist to one
7 or more of the content sources in the plurality of content sources; and
8 the content router is adapted to select an output of one of the plurality of content sources and
9 output a routed output upon which the subsystem stream of content is based.

1 29. (original) The invention of claim 23, further comprising a network management station
2 adapted to monitor the status of the subsystems and, in the event of a failure of a subsystem,
3 report this failure to the automated playlist chaser.

1 30. (original) A server comprising at least one processing unit adapted to execute:
2 operating software for managing communication and file operations; and
3 at least a portion of an automated playlist chaser application, wherein the automated
4 playlist chaser application is adapted to:
5 receive a reference playlist defining a plurality of attributes for each of one or more
6 program segments, the attributes comprising an on-air time, a start-of message, and a duration
7 for each program segment;
8 compare at least one on-air time in the reference playlist to a specified reference time;
9 identify, based on the comparison, at least one program segment in the reference
10 playlist that is active at the specified reference time; and
11 adjust, based on the at least one identified active program segment, one or
12 more attributes for one or more program segments in the reference playlist to create a new
13 playlist.

1 31. (new) The method of claim 1, wherein the adjusting step comprises adjusting, based on the at
2 least one identified active program segment, at least one of the on-air time, the start-of message,
3 and the duration attributes for the one or more program segments in the reference playlist to
4 create the new playlist.

1 32. (new) The method of claim 1, wherein the adjusting step comprises adjusting, based on the at
2 least one identified active program segment, the on-air time, the start-of message, and the
3 duration attributes for the one or more program segments in the reference playlist to create the
4 new playlist.